

Table 3.2.5-4
OU III Western South Boundary
2017 Vertical Profile Data

2017 BNL Groundwater Status Report

WSB-VP-17-2017															
Compound	Depth (Feet BLS)	95-100	105-110	115-120	125-120	135-140	145-150	155-160	165-170	175-180	185-190	195-200	205-210	215-220	225-230
	Date sampled	09/29/17	09/29/17	09/29/17	09/29/17	09/29/17	09/29/17	09/28/17	09/28/17	09/28/17	09/28/17	09/27/17	09/27/17	09/27/17	09/27/17
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dichlorodifluoromethane							0.21 J	1.4	2.5	0.36 J	0.27 J	0.61	0.91	3.9	
Napthalene															
Toluene															
Chloroform		0.98	1.1	0.8	0.73	0.87	1.8	6.7	5.5	0.45 J	0.34 J	0.11		0.35 J	0.1 J
1,1-Dichloroethene						0.26 J	0.69	4.6	1.1	0.40 J	0.14 J			0.69	
1,1,1- Trichloroethane						0.37	0.93	5.3	4.2	0.38 J				0.52	
1,1- Dicloroethane						0.1 J	0.26 J	1.3	3.2	0.14 J	0.11 J			0.21 J	
Trichloroethene						0.52	1.1	5	3.7	0.35 J					
carbon tetrachloride															
Tetrachloroethene															
Bromodichloromethane															
cis-1,2-Dichloroethene															
TVOC		0.98	1.1	0.8	0.73	2.12	4.99	24.3	20.2	2.08	0.86	0.72	0.91	5.67	0.1

WSB-VP-18-2017																
Compound	Depth (Feet BLS)	95-100	105-110	115-120	125-120	135-140	145-150	155-160	165-170	175-180	185-190	195-200	205-210	215-220	225-230	235-240
	Date sampled	09/25/17	09/25/17	09/25/17	09/25/17	09/22/17	09/22/17	09/22/17	09/22/17	09/22/17	09/22/17	09/21/17	09/21/17	09/21/17	09/21/17	09/21/17
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dichlorodifluoromethane						0.57	6.4	1.8	1.4	0.25 J			0.75	0.57		0.17 J
Napthalene																
Toluene																
Chloroform		0.63	0.83	0.92	0.79	1.9	2.4	2	1.9	0.35 J	0.12 J			0.15 J		0.31 J
1,1-Dichloroethene						1.3	3	1.7	1.3	0.18 J				0.12 J		
1,1,1- Trichloroethane						1.2	2.7	1.4	0.83							
1,1- Dicloroethane						.44 J	0.72	0.29 J	0.28 J							
Trichloroethene						0.85	3.4	1	0.41							
carbon tetrachloride																
Tetrachloroethene						.35 J										
Bromodichloromethane																
cis-1,2-Dichloroethene								0.12								
TVOC		0.63	0.83	0.92	0.79	6.61	18.62	8.31	6.12	0.78	0.12	0	0.75	0.84		0.48

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2017 Vertical Profile Data

2017 BNL Groundwater Status Report

WSB-VP-19-2017															
Depth (Feet BLS)	95-100	105-110	115-120	125-130	135-140	145-150	155-160	165-170	175-180	185-190	195-200	205-210	215-220	225-230	235-240
Date sampled	09/15/17	09/15/17	09/15/17	09/15/17	09/15/17	09/14/17	09/14/17	09/14/17	09/14/17	09/14/17	09/14/17	09/13/17	09/13/17	09/13/17	09/13/17
Compound	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dichlorodifluoromethane						2	1	0.97	0.94			2.4	1.2	1.2	
Napthalene															
Toluene															
Chloroform	0.63	0.71	0.69	0.69	1.1	4.7	2.5	1.9	1.7			0.75	1.4	0.62	
1,1-Dichloroethene					0.65	3.5	2.2	0.73	0.38 J			0.14 J	0.25 J	0.28 J	
1,1,1- Trichloroethane					0.66	3.4	1.9								
1,1- Dicloroethane					0.20 J	1.2	0.56	0.18 J	0.13 J				0.10 J	0.087 J	
Trichloroethene					0.63	3.4	2.4					3.5			
carbon tetrachloride															
Tetrachloroethene					0.29 J	0.36 J									
Bromodichloromethane															
TVOC	0.63	0.71	0.69	0.69	3.53	18.56	10.56	3.78	3.15	0	0	6.79	2.95	2.187	0

WSB-VP-20-2017															
Depth samples	95-100	105-110	115-120	125-120	135-140	145-150	155-160	165-170	175-180	185-190	195-200	205-210	215-220	225-230	235-240
Date sampled	09/07/17	09/07/17	09/07/17	09/07/17	09/07/17	09/07/17	09/07/17	09/07/17	09/06/17	09/06/17	09/06/17	09/05/17	09/05/17	09/05/17	09/05/17
Compound	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dichlorodifluoromethane	0.25 J	0.33 J	0.45 J		1.3	13	6.2	2.6	0.76			0.83	1.9	1	
Napthalene												0.25 J			
Toluene												0.15 J			
Chloroform	1.3	1	1.2	0.68	2	2	2.2	0.48 J	0.14 J						
1,1-Dichloroethene				0.39 J	1.8	4.9	3.4	0.12 J							
1,1,1- Trichloroethane				0.53	1.9	4	2								
1,1- Dicloroethane					0.49 J	1.2	0.9								
Trichloroethene				0.25 J	1.2	6.4	0.89								
carbon tetrachloride						0.25 J									
Tetrachloroethene					0.23 J										
Bromodichloromethane	0.22 J	0.30 J	0.46 J	0.19											
TVOC	1.77	1.63	2.11	2.04	8.92	31.75	15.59	3.2	0.9	0	0	1.23	1.9	1	0

Table 3.2.5-4
 OU III Western South Boundary
 2017 Vertical Profile Data

2017 BNL Groundwater Status Report

WSB-VP-21-2017												
Depth samples	95-100	105-110	115-120	125-130	135-140	145-150	155-160	165-170	175-180	185-190	195-200	205-210
Date sampled	09/29/17	09/29/17	09/29/17	09/29/17	09/29/17	09/29/17	09/29/17	09/29/17	09/29/17	11/28/17	11/28/17	11/28/17
Compound	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dichlorodifluoromethane						0.97	2.4	2.9	6.6	2.7	3.7	0.98
Napthalene												
Toluene		0.14 J							0.15 J	0.18 J	0.26 J	0.48 J
Chloroform	1.1	1.1	1.1	0.51	1.1	8.9	3.9	1.6	0.13 J			
1,1-Dichloroethene	0.79	1.6	2	3.5	150	15	4.3	4	1.7			
1,1,1- Trichloroethane	0.88	1.6	1.7	2.8	130	14	3.4	2.8	0.71			
1,1- Dichloroethane	.093 J	0.13 J	0.25	0.18 J	0.47 J	1.1	1.3	2.4	1.6	0.22 J	0.54	0.22 J
Trichloroethene					1.9	3.9	5.3	0.34 J				
carbon tetrachloride												
Tetrachloroethene					0.8							
Bromodichloromethane												
1,2-Dichloroethane					1.4							
cis-1,2-Dichloroethene									0.13 J			
TVOC	2.863	4.57	5.05	6.99	285.67	43.87	20.6	14.04	10.89	3.1	4.5	1.68